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(54) **Fiber optic reflectance probe.**

(57) There is disclosed a fiber optic probe for infrared (IR) spectroscopy of a kind which serves both for illuminating a fluid or solid sample and for collecting the light reflected therefrom for spectral analysis. The probe has a tubular sheath (16) with an inner, infrared radiation reflecting surface, holding light input and output optical fibers (7,8). The sheath has a sampling tip and the optical fibers stop short of the edge, forming with the sampling tip a sampling cavity.

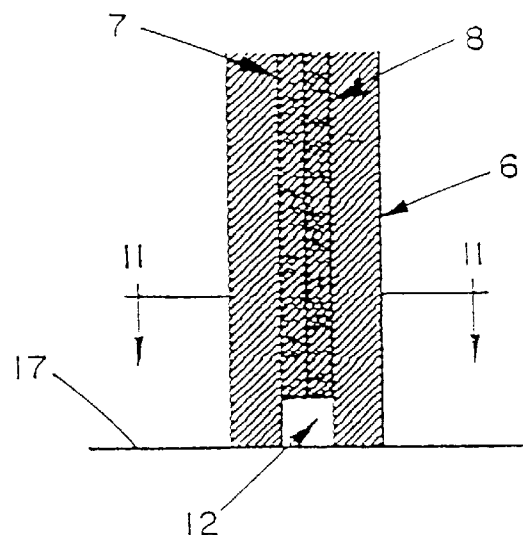


Fig. 3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 40 0626

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Y	US-A-4 608 990 (V. B. ELINGS) * column 7, line 43 - line 48; figure 1 * ---	1-4	G01N21/47 G01N21/85 A61B5/103 A61B5/00
Y	ANALYTICAL CHEMISTRY, vol. 62, no. 23, 1 December 1990 COLUMBUS US, pages 2514-2521, L. J. GALANTE ET AL. * figure 1 * ---	1-4	
Y,D	EP-A-0 358 203 (SUMITOMO ELECTRIC IND.) * abstract * ---	1-4	
A	US-A-4 423 736 (D. P. DEWITT ET AL.) * abstract; figure 1 * ---	1	
A	US-A-4 241 738 (D. W. LÜBBERS ET AL.) * abstract; figure 1 * ---	1	
A	FR-A-2 596 530 (C. E. A.) * abstract * * page 7, line 27-29 * ---	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	EP-A-0 047 094 (ORIEL SCIENTIFIC LTD.) * figure 1 * ---	1	A61B G01N
A	DE-A-22 15 984 (OLYMPUS OPTICAL CO. LTD.) * figures 22-24 * -----	1	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 14 August 1995	Examiner Brison, O
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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